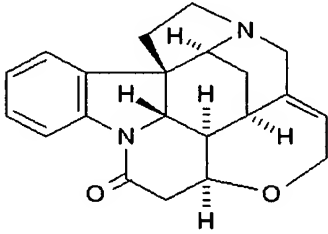
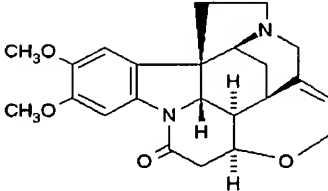
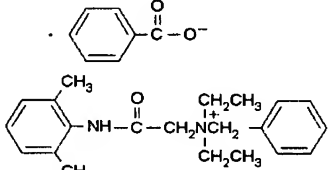
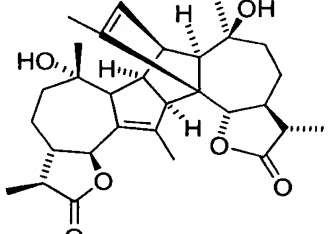
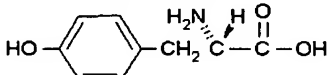


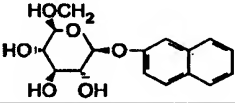
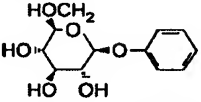
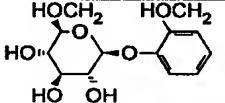
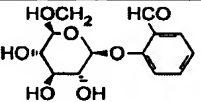
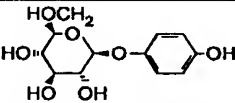
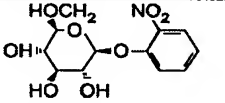
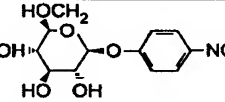
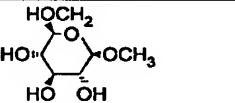
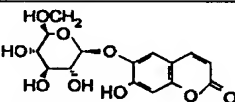
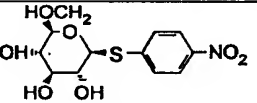
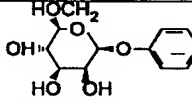
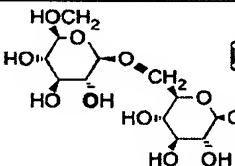
**Table III**  
Identified agonists of hTAS2R10

Substance	Structure	Approx. thresh- old [mM]	EC <sub>50</sub> [mM]
Strychnine *		0.003	0.04
Brucine		0.01	0.06
Denatonium benzo- ate		0.003	0.07
Absinthine		0.01	

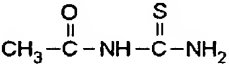
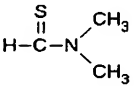
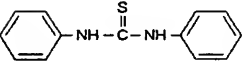
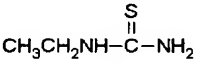
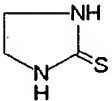
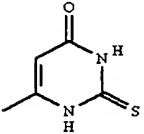
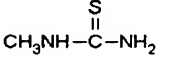
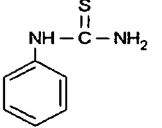
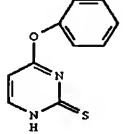
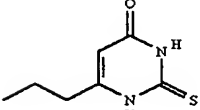
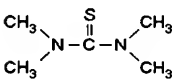
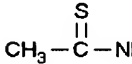
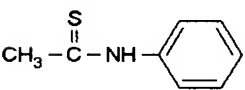
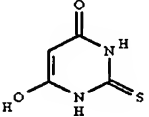
**Table IV**  
Identified agonists of hTAS2R14

Substance	Structure	Reacts at
L-Tyrosine		1 mM

**Table V**  
Identified agonists of hTAS2R16

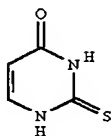
Substance	Structure	Threshold [mM]	EC <sub>50</sub> [mM]
Naphtyl-β-D-Glucoside		0.4 ± 0.1	1.0 ± 0.1
Phenyl -β-D-Glucoside		0.07 ± 0.02	1.1 ± 0.1
Salicin		0.07 ± 0.02	1.4 ± 0.2
Helicin		0.3 ± 0.1	2.3 ± 0.4
Arbutin		0.5 ± 0.2	5.8 ± 0.9
2-Nitrophenyl-β-D-Glucoside		0.3 - 1	Not determined
4-Nitrophenyl-β-D-Glucoside		1 - 3	Not determined
Methyl-β-D-Glucoside *		15 ± 6	32 ± 11
Esculin		4 ± 2	Not determined
4-Nitrophenyl-β-D-Thioglucoside		1 - 5	Not determined
4-Nitrophenyl-β-D-Mannoside		1 - 3	Not determined
Amygdalin		2.3 ± 0.9	20 ± 3.4

**Table VI**  
Identified agonists of hTAS2R38

Substance	Structure	Approx. Threshold [μM]	EC <sub>50</sub> [μM]
Acetylthiourea		2	15
N,N-Dimethylthioformamide		10	55
N,N'-Diphenylthiourea		0.3	2.3
N-Ethylthiourea		30	260
2-Imidazolidinethione (=N,N'-Ethylenethiourea)		10	not determined
4(6)-Methyl-2-thiouracil		20	180
N-Methylthiourea		100	estimated 600-800
Phenylthiocarbamid (PTC)		0.3	2
6-Phenyl-2-thiouracil		0.15	0.5
6-Propyl-2-thiouracil (PROP)		0.3	2
Tetramethylthiourea		10-30	100
Thioacetamide		100	not determined
Thioacetanilide		3	18
2-Thiobarbituric acid		reacts at 10 mM	

**Table VI (continued)**

2-Thiouracil



300

estimated  
2000

**Table VII**

Identified agonists of hTAS2R43

Substance	Structure	Approx. Threshold [mM]	EC <sub>50</sub> [mM]
Saccharin		0.2	1.1
Acesulfame K		No response up to 10 mM	

**Table VIII**

Identified agonists of hTAS2R44

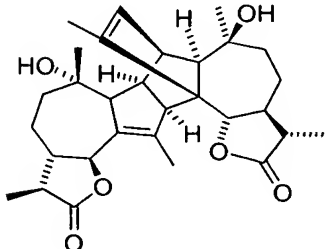
Substance	Structure	Approx. Threshold [mM]	EC <sub>50</sub> [mM]
Saccharin		0.2	estimated 2-5
Acesulfame K		0.5	3

**Table IX**

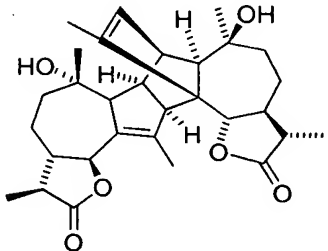
Identified agonists of hTAS2R45

Substance	Structure	Approx. Threshold [mM]	EC <sub>50</sub> [mM]
Absinthine		0.003	Not determined

**Table X**  
Identified agonists of hTAS2R46

Substance	Structure	Approx. Threshold [mM]	EC <sub>50</sub> [mM]
Absinthine		0.001	Not determined

**Table XI**  
Identified agonists of hTAS2R48

Substance	Structure	Approx. Threshold [mM]	EC <sub>50</sub> [mM]
Absinthine		0.03	Not determined